

Legend:

- A Shodnya Canal
- B Locks
- C Power station
- D Transformer plant
- E Settlements
- F Trolley bus plant
- G Plant No 500
- H Boundaries of Plant No 500
- I Embankment

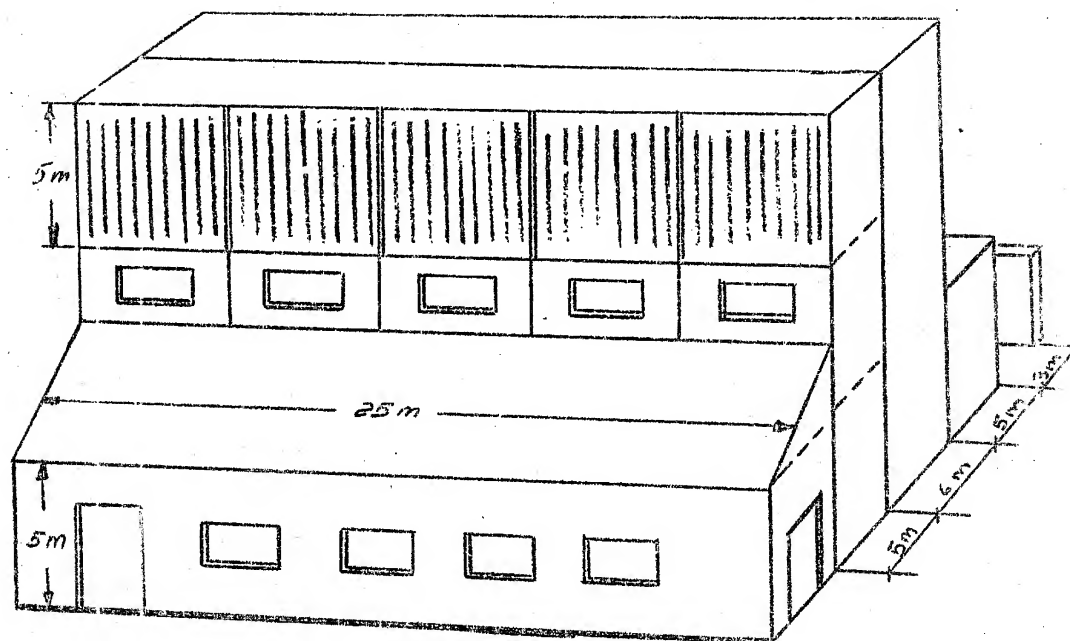
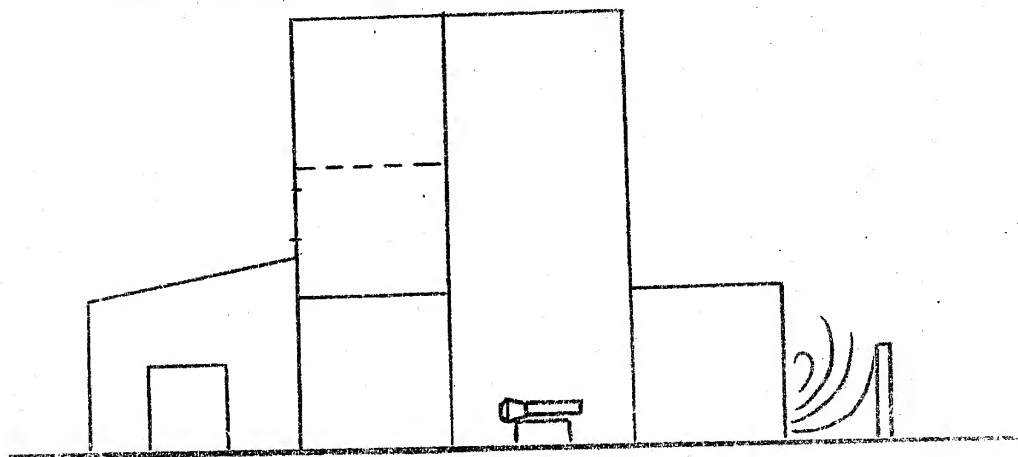
Installations of Plant No 500

- 1 Guardhouse
- 2 Workshops
- 3 Assembly shop for turbines. The shipping crates were delivered there.
- 4 Forge equipped with nine steam hammers
- 5 Pattern shop and drawing rooms
- 6 Locksmith shop
- 7 Test stands with two rows of five chambers each. In mid-1947, only double row radial engines were tested there, but after the summer of 1948, turbines were also tested there.
- 8 Fuel dump and pumping station. There were five or six underground tanks.
- 9 Technical offices.
- 10 Machine shop.
- 11 Unidentified installation. Only radial engines were seen there.
- 12 Compressor station with three compressors.
- 13 Machine shop.
- 14 Finnish steam bath.
- 15 Heating plant equipped with about 20 coal-burning furnaces. There were two brick chimneys. During the winter months 60 tons of coal were consumed every day.

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- 16 New workshop, on which no details are available.
- 17 Storage building.
- 18 Heating plant.
- 19 and 20
Unidentified buildings.
- 21 Site of the pumping station which was torn down.
- 22 Workshop 63, containing a lathe shop and a shop for assembling shipping crates.
- 23 PW camp.
- 24 New test stands with five chambers, each of them 5x10 meters.
See Annex 2.
- 25 Quartering facilities for workers.
- 26 and 27
Unidentified buildings.
- 28 Sheds.
- 29 Workshop 19, machine shop, equipped with about 300 metal working machines of various types.
- 30 Pond.

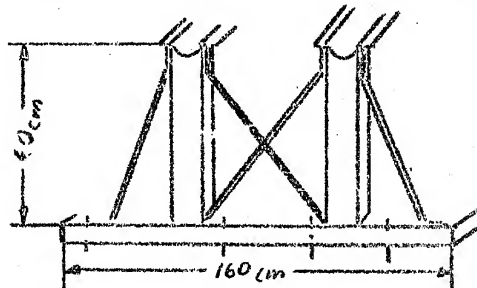
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Sketch 1 : Front View of New Test Stands in TushinoSketch 2: Side View of New Test Standsscale 1:2,000

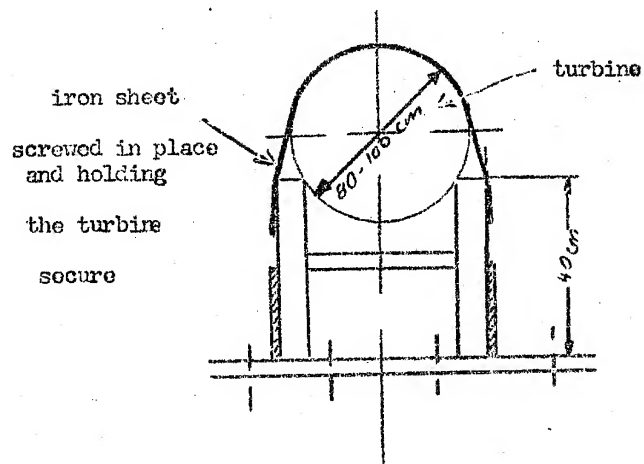
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Detail Sketches of Shipping Crates for Turbines as Seen in Tushino

Sketch 1: Bottom of the crate and supports - view from the front



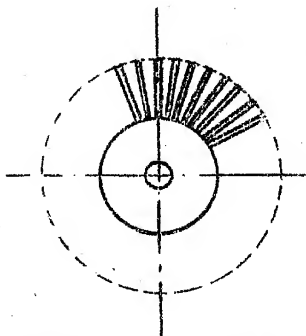
Sketch 2: Bottom of the crate and supports - view from the back



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Detail Sketches of Turbine wheel and Blades as Seen in Tushino

Sketch 1: Turbine wheel

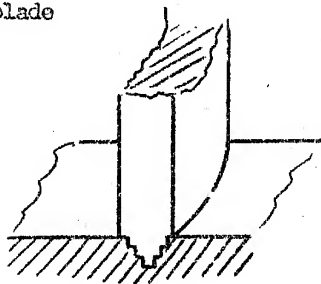


Material of the turbine wheel, presumably chrome, nickel, steel

Outer diameter of wheel:

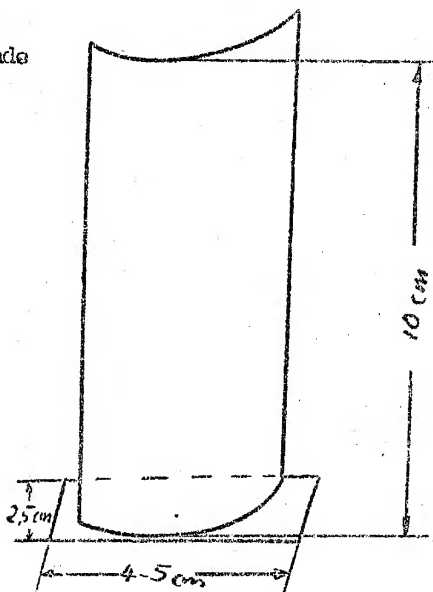
- a. smaller type, about 50 cm with approximately 50 blades
- b. larger size, 70 to 80 cm with approximately 80 blades

Sketch 2: Base of the blade



The base of the blade was fitted into the wheel by means of tongues and then welded

Sketch 3: Turbine blade



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